

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	4	"647528".ap.	US-PGPUB; USPAT	OR	ON	2006/10/24 10:43
S2	102	"WATANABE, RYOJI" "TAKADA, AKIHIKO" "SAKAKIBARA, MASAYOSHI" "KISHIMOTO, HAJIME" "HORINO, YASUO" "YANO, TOSHIYUKI" "MATSUO, YASUHIRO"	US-PGPUB; USPAT	OR	ON	2006/10/24 10:45
S3	69	S2 and (imag\$3)	US-PGPUB; USPAT	OR	ON	2006/10/24 10:46
S4	43	S2 and (imag\$3 near form\$3)	US-PGPUB; USPAT	OR	ON	2006/10/24 10:46
S5	1	S2 and (imag\$3 near form\$3) and (authenticat\$3)	US-PGPUB; USPAT	OR	ON	2006/10/24 10:47
S6	0	(fujixerox) and (imag\$3 near form\$3) and (authenticat\$3)	US-PGPUB; USPAT	OR	ON	2006/10/24 10:47
S7	1960	@ad<"20020828" and (imag\$3 near form\$3) and (authenticat\$3)	US-PGPUB; USPAT	OR	ON	2006/10/24 10:48
S8	185	@ad<"20020828" and (imag\$3 near form\$3) and (authenticat\$3) and ((first near image) and (second near image))	US-PGPUB; USPAT	OR	ON	2006/10/24 10:48
S9	140	@ad<"20020828" and (imag\$3 near form\$3) and (authenticat\$3) and ((first near image) same (second near image))	US-PGPUB; USPAT	OR	ON	2006/10/24 10:50
S10	20	@ad<"20020828" and (imag\$3 near form\$3) and (authenticat\$3) and ((first near image) same (second near image) same (combin\$9 or synthesiz\$5 or merg\$3))	US-PGPUB; USPAT	OR	ON	2006/10/24 10:51
S11	1257	@ad<"20020828" and (imag\$3 near form\$3) and (((first or non-secret) near image) same ((second or secret) near image) same (combin\$9 or synthesiz\$5 or merg\$3))	US-PGPUB; USPAT	OR	ON	2006/10/24 10:53
S12	1257	@ad<"20020828" and (imag\$3 near form\$3) and (((first or "non-secret") near image) same ((second or "secret") near image) same (combin\$9 or synthesiz\$5 or merg\$3))	US-PGPUB; USPAT	OR	ON	2006/10/25 10:50

## EAST Search History

S13	20	@ad<"20020828" and (imag\$3 near form\$3) and (((first or "non-secret") near image) same ((second or "secret") near image) same (combin\$9 or synthesiz\$5 or merg\$3)) and (authenticat\$3)	US-PGPUB; USPAT	OR	ON	2006/10/24 16:56
S14	1	"6005936".pn.	US-PGPUB; USPAT	OR	ON	2006/10/24 16:56
S15	1	"6005936".pn.	US-PGPUB; USPAT	OR	ON	2006/10/25 10:40
S16	1	"6005936".pn. and (image and first and second)	US-PGPUB; USPAT	OR	ON	2006/10/25 10:41
S17	1	"6005936".pn. and (image and first and second and authenticat\$3)	US-PGPUB; USPAT	OR	ON	2006/10/25 10:41
S18	1	"6005936".pn. and (image and first and second and authenticat\$3 and encrypt\$3)	US-PGPUB; USPAT	OR	ON	2006/10/25 10:41
S19	742	@ad<"20020828" and (read\$3 near3 first near image) same (read\$3 near3 second near image)	US-PGPUB; USPAT	OR	ON	2006/10/25 10:51
S20	278	@ad<"20020828" and (read\$3 near2 first near image) same (read\$2 near3 second near image)	US-PGPUB; USPAT	OR	ON	2006/10/25 10:53
S21	201	@ad<"20020828" and (read\$3 near2 first near image) same (read\$2 near2 second near image)	US-PGPUB; USPAT	OR	ON	2006/10/25 10:53
S22	167	@ad<"20020828" and (read\$3 near2 first near image) same (read\$2 near2 second near image) and (imag\$3 near3 form\$3)	US-PGPUB; USPAT	OR	ON	2006/10/26 14:48
S23	234	@ad<"20020828" and ((read\$3 or scan\$4) near2 first near image) same (read\$2 near3 second near image) and (imag\$3 near3 form\$3)	US-PGPUB; USPAT	OR	ON	2006/10/25 10:59
S24	42	@ad<"20020828" and ((read\$3 or scan\$4) near2 first near image) same (read\$2 near3 second near image) same (imag\$3 near3 form\$3)	US-PGPUB; USPAT	OR	ON	2006/10/25 11:00
S25	188	@ad<"20020828" and ((read\$3 or scan\$5) near3 first near image) same ((read\$2 or scan\$5) near3 second near image) same (imag\$3 near3 form\$3)	US-PGPUB; USPAT	OR	ON	2006/10/25 11:05

## EAST Search History

S26	188	@ad<"20020828" and (((read\$3 or scan\$5) near3 first near image) same ((read\$2 or scan\$5) near3 second near image) same (imag\$3 near3 form\$3))	US-PGPUB; USPAT	OR	ON	2006/10/25 11:06
S27	78	@ad<"20020828" and (((read\$3 or scan\$5) near2 first near image) same ((read\$2 or scan\$5) near2 second near image) same (imag\$3 near3 form\$3))	US-PGPUB; USPAT	OR	ON	2006/10/25 13:50
S28	1	"20040111647" and (((read\$3 or scan\$5) near2 first near image) same ((read\$2 or scan\$5) near2 second near image) same (imag\$3 near3 form\$3))	US-PGPUB; USPAT	OR	ON	2006/10/25 11:07
S29	1	"20020025083"	US-PGPUB; USPAT	OR	ON	2006/10/25 13:50
S30	1	"20020025083" and (first and second and image and form\$3 or combin\$3 or synth\$9)	US-PGPUB; USPAT	OR	ON	2006/10/25 15:01
S31	0	"20020025083" and (authenticat\$3)	US-PGPUB; USPAT	OR	ON	2006/10/25 15:01
S32	12	(US-20020110389-\$ or US-20030043920-\$ or US-20040042640-\$ or US-20010029513-\$ or US-20030005304-\$ or US-20020025083-\$ or US-20040017925-\$).did. or (US-6212337-\$ or US-4672683-\$ or US-6128411-\$ or US-6831990-\$ or US-6005936-\$).did.	US-PGPUB; USPAT	OR	ON	2006/10/25 15:02
S33	8	S32 and (authenticat\$3)	US-PGPUB; USPAT	OR	ON	2006/10/25 15:02
S34	7	S32 and (authenticat\$3) and (encrypt\$3 or cryptograph\$3 or encod\$3)	US-PGPUB; USPAT	OR	ON	2006/10/25 15:03
S35	0	S32 and (authenticat\$3) and (encrypt\$3 or cryptograph\$3 or encod\$3) and (non-contact near memory)	US-PGPUB; USPAT	OR	ON	2006/10/25 15:03
S36	1	S32 and (authenticat\$3) and (encrypt\$3 or cryptograph\$3 or encod\$3) and (password)	US-PGPUB; USPAT	OR	ON	2006/10/25 15:04
S37	1	S32 and (authenticat\$3) and (encrypt\$3 or cryptograph\$3 or encod\$3) and (password) and (circuit\$3)	US-PGPUB; USPAT	OR	ON	2006/10/25 15:04

## EAST Search History

S38	0	S32 and (authenticat\$3) and (encrypt\$3 or cryptograph\$3 or encod\$3) and (password) and (chip)	US-PGPUB; USPAT	OR	ON	2006/10/25 15:04
S39	0	S32 and (authenticat\$3) and (encrypt\$3 or cryptograph\$3 or encod\$3) and (password) and (integrated near circuit\$3)	US-PGPUB; USPAT	OR	ON	2006/10/25 15:04
S40	1	S32 and (authenticat\$3) and (encrypt\$3 or cryptograph\$3 or encod\$3) and (password)	US-PGPUB; USPAT	OR	ON	2006/10/25 15:07
S41	9148	@ad<"20020828" and (authenticat\$3) and (encrypt\$3 or cryptograph\$3 or encod\$3) and (password)	US-PGPUB; USPAT	OR	ON	2006/10/25 15:08
S42	5649	@ad<"20020828" and (authenticat\$3 same password) and (encrypt\$3 or cryptograph\$3 or encod\$3)	US-PGPUB; USPAT	OR	ON	2006/10/25 15:08
S43	2681	@ad<"20020828" and (authenticat\$3 same password) and (encrypt\$3 and decrypt\$3)	US-PGPUB; USPAT	OR	ON	2006/10/25 15:08
S44	38	@ad<"20020828" and (authenticat\$3 same password) and (encrypt\$3 and decrypt\$3) and (noncontact or non-contact)	US-PGPUB; USPAT	OR	ON	2006/10/25 15:12
S45	0	@ad<"20020828" and (authenticat\$3 same password) and (encrypt\$3 and decrypt\$3) and ((noncontact or non-contact) near memory)	US-PGPUB; USPAT	OR	ON	2006/10/25 15:15
S46	1	"20040111647"	US-PGPUB; USPAT	OR	ON	2006/10/25 15:13
S47	1	"20040111647" and (non-contact or noncontact)	US-PGPUB; USPAT	OR	ON	2006/10/25 15:13
S48	77	@ad<"20020828" and (authenticat\$3 same password) and (encrypt\$3 and decrypt\$3) and ((ic or semiconductor) near chip)	US-PGPUB; USPAT	OR	ON	2006/10/25 15:17
S49	51	@ad<"20020828" and (authenticat\$3 same password) and (encrypt\$3 and decrypt\$3) and ((ic or semiconductor) near chip) and (image)	US-PGPUB; USPAT	OR	ON	2006/10/25 16:42
S50	1	@ad<"20020828" and (authenticat\$3 same password) and (encrypt\$3 and decrypt\$3) and ((ic or semiconductor) near chip) and (image near form\$3)	US-PGPUB; USPAT	OR	ON	2006/10/25 15:17

## EAST Search History

S51	1	"20020025083"	US-PGPUB; USPAT	OR	ON	2006/10/25 15:51
S52	1	"20020025083" and (image and first and second and display\$3 and form\$3)	US-PGPUB; USPAT	OR	ON	2006/10/25 16:07
S53	0	"20020025083" and (print\$3 or paper)	US-PGPUB; USPAT	OR	ON	2006/10/25 16:07
S54	13	(US-20020110389-\$ or US-20030043920-\$ or US-20040042640-\$ or US-20010029513-\$ or US-20030005304-\$ or US-20020025083-\$ or US-20040017925-\$).did. or (US-6990588-\$ or US-6212337-\$ or US-4672683-\$ or US-6128411-\$ or US-6831990-\$ or US-6005936-\$). did.	US-PGPUB; USPAT	OR	ON	2006/10/25 16:08
S55	3	S54 and (print\$3 and paper)	US-PGPUB; USPAT	OR	ON	2006/10/25 16:10
S56	2	S54 and (print\$3 and paper) and (image same form\$3)	US-PGPUB; USPAT	OR	ON	2006/10/25 16:10
S57	2	S54 and (print\$3 and paper) and (image same form\$3) and (first and second)	US-PGPUB; USPAT	OR	ON	2006/10/25 16:13
S58	1	S54 and (print\$3 and paper) and (image same form\$3) and ((first near image) and (second near image))	US-PGPUB; USPAT	OR	ON	2006/10/25 16:26
S59	2	(4672683 6212337).pn.	US-PGPUB; USPAT	OR	ON	2006/10/25 16:27
S60	2	(4672683 6212337).pn. and (first and second and image)	US-PGPUB; USPAT	OR	ON	2006/10/25 16:27
S61	1	(4672683 6212337).pn. and (first and second and image) and print\$3	US-PGPUB; USPAT	OR	ON	2006/10/25 16:27
S62	82	@ad<"20020828" and (print\$3 near3 document) and (authenticat\$3) and (first near image) and (second near image)	US-PGPUB; USPAT	OR	ON	2006/10/25 16:43
S63	3	@ad<"20020828" and (print\$3 near3 document) and (authenticat\$3) and ((first near image) same (second near image) same (combin\$3 or sythen\$5))	US-PGPUB; USPAT	OR	ON	2006/10/25 17:00
S64	40	@ad<"20020828" and (print\$3 near3 document) and ((first near image) same (second near image) same (combin\$3 or sythen\$5))	US-PGPUB; USPAT	OR	ON	2006/10/25 17:01

## EAST Search History

S65	64	@ad<"20020828" and (print\$3 near3 document) and ((first near image) same (second near image) same (combin\$3 or synth\$9))	US-PGPUB; USPAT	OR	ON	2006/10/25 17:11
S66	3	@ad<"20020828" and ((print\$3 near3 document) same ((first near image) same (second near image) same (combin\$3 or synth\$9)))	US-PGPUB; USPAT	OR	ON	2007/03/20 15:49
S67	3	@ad<"20030828" and ((print\$3 near3 document) same ((first near image) same (second near image) same (combin\$3 or synth\$9)))	US-PGPUB; USPAT	OR	ON	2006/10/25 17:12
S68	5	@ad<"20030828" and ((print\$3 near5 document) same ((first near2 image) same (second near2 image) same (combin\$3 or synth\$9)))	US-PGPUB; USPAT	OR	ON	2006/10/25 17:13
S69	24	@ad<"20030828" and ((print\$3 near5 (document\$2 or paper or original)) same ((first near2 image) same (second near2 image) same (combin\$3 or synth\$9)))	US-PGPUB; USPAT	OR	ON	2006/10/25 17:13
S70	222	@ad<"20030828" and ((print\$3 near5 (document\$2 or paper or original or image)) same ((first near2 image) same (second near2 image) same (combin\$3 or synth\$9)))	US-PGPUB; USPAT	OR	ON	2006/10/25 17:14
S71	184	@ad<"20030828" and ((print\$3 near3 (document\$2 or paper or original or image)) same ((first near2 image) same (second near2 image) same (combin\$3 or synth\$9)))	US-PGPUB; USPAT	OR	ON	2006/10/25 17:15
S72	19	@ad<"20030828" and ((print\$3 near3 (document\$2 or paper or original)) same ((first near2 image) same (second near2 image) same (combin\$3 or synth\$9)))	US-PGPUB; USPAT	OR	ON	2006/10/26 08:59
S73	74	@ad<"20030828" and (print\$3 near3 (document\$2 or original)) and (((image near read\$3) same (data near read\$3) same (combin\$3 or synthesiz\$9)))	US-PGPUB; USPAT	OR	ON	2006/10/26 10:52
S74	1	"6654506".pn.	US-PGPUB; USPAT	OR	ON	2006/10/26 11:01
S75	1	"20020015161"	US-PGPUB; USPAT	OR	ON	2006/10/26 11:03
S76	0	"20020015161" and (image and combin\$3)	US-PGPUB; USPAT	OR	ON	2006/10/26 11:03

## EAST Search History

S77	1	"20020015161" and (image and synthe\$9)	US-PGPUB; USPAT	OR	ON	2006/10/26 11:04
S78	1	"20020015161" and (image same synthe\$9)	US-PGPUB; USPAT	OR	ON	2006/10/26 11:05
S79	1	"20010028476" and (image same synthe\$9)	US-PGPUB; USPAT	OR	ON	2006/10/26 11:08
S80	0	"62124337.pn" and (image same synthe\$9)	US-PGPUB; USPAT	OR	ON	2006/10/26 11:08
S81	0	"62124337.pn" and (image same (synthe\$9 or combin\$3))	US-PGPUB; USPAT	OR	ON	2006/10/26 11:10
S82	0	"62124337.pn" and (first and second and image)	US-PGPUB; USPAT	OR	ON	2006/10/26 11:10
S83	0	"62124337.pn" and (image)	US-PGPUB; USPAT	OR	ON	2006/10/26 11:10
S84	1	"20020025083" and (first and second and image)	US-PGPUB; USPAT	OR	ON	2006/10/26 11:15
S85	5	"796438".ap.	US-PGPUB; USPAT	OR	ON	2006/10/26 11:16
S86	0	"796438".ap. and (authenticat\$3)	US-PGPUB; USPAT	OR	ON	2006/10/26 11:17
S87	2	"6990588".pn. or "20020196452"	US-PGPUB; USPAT	OR	ON	2006/10/26 11:17
S88	2	S87 and (authenticat\$3)	US-PGPUB; USPAT	OR	ON	2006/10/26 11:18
S89	2	S87 and (authenticat\$3) and password	US-PGPUB; USPAT	OR	ON	2006/10/26 13:17
S90	2	S87 and (authenticat\$3) same password	US-PGPUB; USPAT	OR	ON	2006/10/26 11:40
S91	2	(6525836 6990588).pn.	US-PGPUB; USPAT	OR	ON	2006/10/26 11:40
S93	1	S91 and (first same second same image)	US-PGPUB; USPAT	OR	ON	2006/10/26 11:45
S94	1	S91 and (first same second same image same (combin\$3 or synthe\$9))	US-PGPUB; USPAT	OR	ON	2006/10/26 11:47
S95	1	S91 and (synthe\$9)	US-PGPUB; USPAT	OR	ON	2006/10/26 11:56
S96	1	S91 and (authenticat\$3 same password)	US-PGPUB; USPAT	OR	ON	2006/10/26 12:00
S97	1	S91 and (authenticat\$3 same password same application)	US-PGPUB; USPAT	OR	ON	2006/10/26 12:00
S98	2	"6990588".pn. or "20020196452"	US-PGPUB; USPAT	OR	ON	2006/10/26 13:17

## EAST Search History

S99	1	S98 and (encrypt\$3)	US-PGPUB; USPAT	OR	ON	2006/10/26 13:20
S10 0	1	S98 and (decrypt\$3)	US-PGPUB; USPAT	OR	ON	2006/10/26 13:25
S10 1	1	S98 and (chip)	US-PGPUB; USPAT	OR	ON	2006/10/26 13:26
S10 2	2	"6990588".pn. or "20020196452"	US-PGPUB; USPAT	OR	ON	2006/10/26 14:45
S10 3	2	(6525836 6990588).pn.	US-PGPUB; USPAT	OR	ON	2006/10/26 14:46
S10 4	2	S103 and (first same second)	US-PGPUB; USPAT	OR	ON	2006/10/26 14:46
S10 5	1	"20040111647"	US-PGPUB; USPAT	OR	ON	2006/10/26 14:46
S10 6	167	@ad<"20020828" and (read\$3 near2 first near image) same (read\$2 near2 second near image) and (imag\$3 near3 form\$3)	US-PGPUB; USPAT	OR	ON	2006/10/26 14:48
S10 7	167	S106	US-PGPUB; USPAT	OR	ON	2006/10/26 14:48
S10 8	1	S106 and 713/1.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/26 14:48
S10 9	1	S106 and 713/2.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/26 14:48
S11 0	0	S106 and 713/188.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/26 14:48
S11 1	0	S106 and 713/194.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/26 14:48
S11 2	0	S106 and 380/200.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/26 14:48
S11 3	0	S106 and 380/201.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/26 14:48
S11 4	0	S106 and 380/255.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/26 14:49
S11 5	0	S106 and 380/277.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/26 14:49
S11 6	0	S106 and 726/2.ccls.	US-PGPUB; USPAT	OR	ON	2006/10/26 14:49
S11 7	1	"20040111647"	US-PGPUB; USPAT	OR	ON	2007/03/20 14:59
S11 8	181840	@ad<"20020828" and (image near3 (form or forming or format\$5 or synthesiz\$5 or combin\$9))	US-PGPUB; USPAT	OR	ON	2007/03/20 16:04



## EAST Search History

S11 9	165699	@ad<"20020828" and (image near3 (form or forming or synthesiz\$5 or combin\$9))	US-PGPUB; USPAT	OR	ON	2007/03/20 16:04
S12 0	146471	@ad<"20020828" and (image near2 (form or forming or synthesiz\$5 or combin\$9))	US-PGPUB; USPAT	OR	ON	2007/03/20 16:04
S12 1	145848	@ad<"20020828" and (image near2 (form or forming or synthesiz\$5 or combin\$5))	US-PGPUB; USPAT	OR	ON	2007/03/20 16:05
S12 2	291	@ad<"20020828" and ((image near2 (form or forming or synthesiz\$5 or combin\$5)) same authenticat\$3)	US-PGPUB; USPAT	OR	ON	2007/03/20 16:05
S12 3	291	@ad<"20020828" and ((image near2 (form or forming or synthesiz\$5 or combin\$5)) same authenticat\$5)	US-PGPUB; USPAT	OR	ON	2007/03/20 16:06
S12 4	1	"20040111647" and ((image near2 (form or forming or synthesiz\$5 or combin\$5)) same authenticat\$5)	US-PGPUB; USPAT	OR	ON	2007/03/20 16:09
S12 5	1	"20040111647" and ((image near2 (form or forming or synthesiz\$5 or combin\$5)) same authenticat\$5) and (ic or chip or circui\$3)	US-PGPUB; USPAT	OR	ON	2007/03/20 16:09
S12 6	1	"20040111647" and ((image near2 (form or forming or synthesiz\$5 or combin\$5)) same authenticat\$5) and (ic or chip or circuit\$3)	US-PGPUB; USPAT	OR	ON	2007/03/20 16:10
S12 7	158	@ad<"20020828" and ((image near2 (form or forming or synthesiz\$5 or combin\$5)) same authenticat\$5) and (ic or chip or circuit\$3)	US-PGPUB; USPAT	OR	ON	2007/03/20 16:18
S12 8	18	@ad<"20020828" and ((image near2 (form or forming or synthesiz\$5 or combin\$5)) same authenticat\$5) same (ic or chip or circuit\$3)	US-PGPUB; USPAT	OR	ON	2007/03/20 16:37
S12 9	291	@ad<"20020828" and ((image near2 (form or forming or synthesiz\$5 or combin\$5)) same authenticat\$5)	US-PGPUB; USPAT	OR	ON	2007/03/21 08:44
S13 0	5733	@ad<"20020828" and (image near forming near system)	US-PGPUB; USPAT	OR	ON	2007/03/21 08:44
S13 1	6	@ad<"20020828" and ((image near forming near system) same authenticat\$3)	US-PGPUB; USPAT	OR	ON	2007/03/21 11:01

## EAST Search History

S13 2	11	@ad<"20020828" and ((image near forming near system) same (authenticat\$3 or verificat\$3))	US-PGPUB; USPAT	OR	ON	2007/03/21 09:52
S13 3	1	"6411784".pn.	US-PGPUB; USPAT	OR	ON	2007/03/21 09:52
S13 4	1	"6411784".pn. and (image or form\$5 or combin\$5 or synthe\$9 or authenticat\$3 or verificat\$5 or autoriz\$5)	US-PGPUB; USPAT	OR	ON	2007/03/21 09:53
S13 5	1	"6411784".pn. and (image or form\$5 or combin\$5 or synthe\$9 or authenticat\$3 or verificat\$5 or autoriz\$5 or scan\$5)	US-PGPUB; USPAT	OR	ON	2007/03/21 09:54
S13 6	1	"6411784".pn. and (image or form\$5 or combin\$5 or synthe\$9 or authenticat\$3 or verificat\$5 or autoriz\$5 or scan\$5 or read\$5)	US-PGPUB; USPAT	OR	ON	2007/03/21 09:54
S13 7	1	"6411784".pn. and (image or form\$5 or combin\$5 or synthe\$9 or authenticat\$3 or verificat\$5 or autoriz\$5 or scan\$5 or read\$5 or chip or ic or circuit\$3)	US-PGPUB; USPAT	OR	ON	2007/03/21 09:54
S13 8	127	@ad<"20020828" and ((synthesiz\$5) same authenticat\$3)	US-PGPUB; USPAT	OR	ON	2007/03/21 11:01
S13 9	25	@ad<"20020828" and ((synthesiz\$5) same authenticat\$3 same image)	US-PGPUB; USPAT	OR	ON	2007/03/21 14:00
S14 0	1	"6990588".pn. and (read\$3)	US-PGPUB; USPAT	OR	ON	2007/03/21 14:01
S14 1	2	(6931541 6990588).pn.	US-PGPUB; USPAT	OR	ON	2007/03/21 14:02
S14 2	2	(6931541 6990588).pn. and (read\$3)	US-PGPUB; USPAT	OR	ON	2007/03/21 14:02